

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US2004/021530

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L29/06 H04L12/56 H04N7/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPQ-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 001 570 A (LUCENT TECHNOLOGIES INC) 17 May 2000 (2000-05-17) abstract; figure 5 column 1, paragraphs 1,3 column 4, paragraph 8 - column 6, paragraph 10 -----	1-61
X	AL-TAWIL K ET AL: "A new authentication protocol for roaming users in GSM" PROCEEDINGS IEEE INTERNATIONAL SYMPOSIUM ON COMPUTERS AND COMMUNICATIONS, XX, XX, 6 July 1999 (1999-07-06), pages 93-99, XP002168055 abstract paragraph [0003] ----- -/-	12,18, 19,31, 37,38, 52,58,59

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document relating to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"S" document member of the same patent family

Date of the actual completion of the international search

20 January 2005

Date of mailing of the international search report

24.01.2005

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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 513 245 A (MIZIKOVSKY SEMYON ET AL) 30 April 1996 (1996-04-30) abstract column 3, line 45 - column 4, line 5 -----	1,12,22, 31,41,52
A	"FUNCTIONAL MODEL OF A CONDITIONAL ACCESS SYSTEM" EBU REVIEW- TECHNICAL, EUROPEAN BROADCASTING UNION. BRUSSELS, BE, no. 266, 21 December 1995 (1995-12-21), pages 64-77, XP000559450 ISSN: 0251-0936 the whole document -----	1,12,22, 31,41,52

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			BR	9905142 A		26-09-2000
			CA	2282942 A1		09-05-2000
			CN	1256599 A		14-06-2000
			EP	1001570 A2		17-05-2000
			JP	2000269959 A		29-09-2000
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US 5513245	A	30-04-1996	US	5794139 A		11-08-1998
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